

INTERNATIONAL SEARCH REPORT

International Application No
GB2004/004660

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 F04C18/16 F04C29/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 F04C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 257 839 B1 (FANG HONG-SHENG ET AL) 10 July 2001 (2001-07-10)	1-4, 9-12, 14, 22, 23, 27, 29, 30, 33-37
Y	column 4, line 45 - column 5, line 30; figures 6-9	18
Y	US 4 119 392 A (BRECKHEIMER ET AL) 10 October 1978 (1978-10-10) abstract; figures 2, 3	18
A	GB 1 334 304 A (KUEHLAUTOMAT VEB) 17 October 1973 (1973-10-17) page 3, line 33 - line 68; figure 4	1-37
A	US 5 904 473 A (DAHMLLOS ET AL) 18 May 1999 (1999-05-18) abstract; figure 1	1-37

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

25 February 2005

Date of mailing of the international search report

04/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Descoubes, P

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/004660

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6257839	B1	10-07-2001	TW	501675 Y		01-09-2002
US 4119392	A	10-10-1978	DE	2553222 A1		02-06-1977
			BE	848763 A1		16-03-1977
			FR	2333138 A1		24-06-1977
			SE	429056 B		08-08-1983
			SE	7612995 A		28-05-1977
GB 1334304	A	17-10-1973	NONE			
US 5904473	A	18-05-1999	DE	19522555 A1		02-01-1997
			DE	19522560 A1		02-01-1997
			AT	186102 T		15-11-1999
			DE	59603493 D1		02-12-1999
			DK	834017 T3		25-04-2000
			WO	9701037 A1		09-01-1997
			EP	0834017 A1		08-04-1998
			ES	2140108 T3		16-02-2000
			GR	3032483 T3		31-05-2000
			JP	11508343 T		21-07-1999
			PT	834017 T		28-04-2000
			TW	454066 B		11-09-2001